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PUBLIC SERVICE
COMMISSION

March 11, 2011

Director of Engineering
Public Service Commission
P.O. Box 615
Frankfort, Kentucky 40602

RE: Administrative Case No. 2006-00494

With this letter Kenergy is filing its annual reliability reports as described in the October 26, 2007 order.

If you have further questions, please feel free to call.

Sincerely,

Gerald R. Ford, P.E.
Vice President of Operations

Enclosures



Electric Distribution Utility Annual Reliability Report

SECTION 1: CONTACT INFORMATION

UTILITY NAME	1.1	Kenergy Corp
REPORT PREPARED BY	1.2	Robert Hayden
E-MAIL ADDRESS OF PREPARER	1.3	rhayden@kenergycorp.com
PHONE NUMBER OF PREPARER	1.4	800-844-4832

SECTION 2: REPORT YEAR

CALENDAR YEAR OF REPORT	2.1	2010
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SECTION 3: MAJOR EVENT DAYS

T_{MED}	3.1	28.894
FIRST DATE USED TO DETERMINE T_{MED}	3.2	1/1/2007
LAST DATE USED TO DETERMINE T_{MED}	3.3	12/31/2009
NUMBER OF MED IN REPORT YEAR	3.4	0

NOTE: Per IEEE 1366 T_{MED} should be calculated using the daily SAIDI values for the five prior years. If five years of data are not available, then utilities should use what is available until five years are accumulated.

SECTION 4: SYSTEM RELIABILITY RESULTS

Excluding MED

SAIDI	4.1	111.792
SAIFI	4.2	1.695
CAIDI	4.3	65.939

Including MED (Optional)

SAIDI	4.4	111.792
SAIFI	4.5	1.695
CAIDI	4.6	65.939

Notes:

- 1) All duration indices (SAIDI, CAIDI) are to be reported in units of minutes.
 - 2) Reports are due on the first business day of April of each year
 - 3) Reports cover the calendar year ending in the December before the reports are due.
 - 4) IEEE 1366 (latest version) is used to define SAIDI, SAIFI, CAIDI, and T_{MED}
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SECTION 5: OUTAGE CAUSE CATEGORIES

Excluding MED

CAUSE CODE DESCRIPTION		SAIDI VALUE
170 Right Of Way all causes	5.1.1	18.8968
108 Big Rivers (power supply)	5.1.2	12.2409
137 Equipment Failure (overhead)	5.1.3	9.80899
199 Other cause	5.1.4	8.06284
143 Fuse Blown (M5-10 lightning)	5.1.5	7.57075
161 Pole Broken (wind)	5.1.6	6.8601
190 Unknown	5.1.7	4.85339
103 Conductor Failure ACSR	5.1.8	4.75555
162 Pole Broken (public)	5.1.9	4.60759
193 No Cause Found (stormy cond.)	5.1.10	3.58922

CAUSE CODE DESCRIPTION		SAIFI VALUE
108 Big Rivers (power supply)	5.2.1	0.34395
170 Right Of Way all causes	5.2.2	0.24711
199 Other cause	5.2.3	0.16149
137 Equipment Failure (overhead)	5.2.4	0.14235
143 Fuse Blown (M5-10 lightning)	5.2.5	0.09185
190 Unknown	5.2.6	0.08766
162 Pole Broken (public)	5.2.7	0.0818
163 Public (tore wire down)	5.2.8	0.05825
136 Combination Unit Failure	5.2.9	0.05097
103 Conductor Failure ACSR	5.2.10	0.04703

SECTION 6: WORST PERFORMING CIRCUITS

Excluding MED

CIRCUIT IDENTIFIER		SAIDI VALUE	MAJOR OUTAGE CATEGORY
082-03	6.1.1	450.80418	161 Pole Broken (wind)
082-02	6.1.2	402.6023	161 Pole Broken (wind)
041-04	6.1.3	395.91395	137 Equipment Failure (overhead)
049-02	6.1.4	318.6121	137 Equipment Failure (overhead)
031-03	6.1.5	289.37931	189 Tie Wire (broken)
052-02	6.1.6	288.94349	199 other cause
025-07	6.1.7	282.32071	110 Conductor Failure (UG Primary)
051-03	6.1.8	276.58462	191 No Cause Found (windy conditions)
040-03	6.1.9	275.96117	199 other cause
085-01	6.1.10	272.89894	193 No Cause Found(stormy conditions)

CIRCUIT IDENTIFIER		SAIFI VALUE	MAJOR OUTAGE CATEGORY
049-02	6.2.1	4.35587	137 Equipment Failure (overhead)
085-01	6.2.2	4.35106	160 Pole Failure (decay)
041-04	6.2.3	4.0089	137 Equipment Failure (overhead)
040-03	6.2.4	3.85437	163 Public (tore wire down)
051-03	6.2.5	3.12308	191 No Cause Found (windy conditions)
031-03	6.2.6	2.24138	189 Tie Wire (broken)
052-02	6.2.7	2.17445	161 Pole Broken (wind)
025-07	6.2.8	1.92677	136 Combination Unit Failure
082-03	6.2.9	1.82507	161 Pole Broken (wind)
082-02	6.2.10	1.0092	161 Pole Broken (wind)

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Additional pages may be attached as necessary

SECTION 7: VEGETATION MANAGEMENT PLAN REVIEW

Kenergy's Vegetation Management efforts are continually evaluated to ensure adequacy and effectiveness. During 2010, approximately 1,165 miles of line were cleared which is consistent with the cycle length outlined in Kenergy's Vegetation Management Plan (not to exceed six years). The 2011 scope of work has been developed and is also consistent with Kenergy's cycle length. At this point, Kenergy does not anticipate any significant modifications to the vegetation management program in 2011.

SECTION 8: UTILITY COMMENTS
